

Serial No. 09/848,218

IN THE SPECIFICATION:

Page 67, lines 2-13, please replace with the following:

2) In the inventions of ~~claims~~ aspects 2, 4, and 6, instead of the system control unit controlling transfer data, the syndrome calculator can be provided with a detecting means for detecting from which code word an error-containing code has been detected, so the detection means can inform the system control unit of the code word detected. As a result, data can be transferred to the syndrome calculator by making the DMA control unit and the syndrome calculator do the handshake every code word. Then, the syndrome calculator informs only the presence or absence of a detected error to the DMA control unit. Therefore, data transfer is controlled within the DMA control unit.

The DMA transfer may be adopted in the inventions of the other ~~claims~~ aspects.

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Page 67, lines 19-22, please replace with the following:

4) In the invention of ~~claim~~aspect 11 and the like, the number of sector groups can be varied between the portion where an error is highly likely to arise, and the other portion, due to the difference in position on a DVD such as an end portion and the center, and the fabrication method.